CLAIMS

1. A recording apparatus for forming dots on a medium, comprising: a head having a plurality of nozzle groups, each of said nozzle groups having a plurality of nozzles that are arranged with a predetermined nozzle pitch;

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wherein said recording apparatus forms said dots on said medium by repeating alternately an ejection operation in which a liquid is ejected from said nozzles and a carry operation in which the medium is carried using a predetermined carry amount with respect to said head; and

wherein a distance between two nozzles that eject the liquid adjacently and that belong to different ones of said nozzle groups is equal to a sum of an integral multiple of said carry amount and said predetermined nozzle pitch.

- 2. A recording apparatus according to claim 1, wherein there is a nozzle between said two nozzles that does not eject said liquid.
- 3. A recording apparatus according to claim 1, wherein a nozzle at one end of said plurality of nozzles that are arranged does not eject said liquid.
- 4. A recording apparatus according to claim 1, wherein said recording apparatus is capable of performing recording using different recording modes.
- 5. A recording apparatus according to claim 4,
 wherein the nozzles that eject the liquid differ for different
 ones of said recording modes.
- 6. A recording apparatus according to claim 4, wherein a spacing of said dots formed on said medium differs for different ones of said recording modes.

- 7. A recording apparatus according to claim 4, wherein a number of the nozzles that form a single raster line differs for different ones of said recording modes.
- 8. A recording apparatus according to claim 6, wherein the distance between said two nozzles is equal to a sum of an even multiple of said carry amount and said nozzle pitch.
- 9. A recording apparatus according to claim 1, wherein said head comprises three or more of said nozzle groups; and

wherein a number of the nozzles that eject said liquid is equal between at least two of said nozzle groups.

- 10. A recording apparatus according to claim 9, wherein said two nozzle groups are provided adjacent to each other in a direction in which said medium is carried.
- 20 11. A recording apparatus according to claim 1, wherein when a spacing of the dots formed on said medium is D, said nozzle pitch is k·D, a number of said nozzles that are allowed to eject said liquid is N, and the carry amount is F,

N and k are coprime, and

25 $\mathbf{F} = \mathbf{N} \cdot \mathbf{D}$.

12. A recording apparatus according to claim 1, wherein when a single raster line is formed by M nozzles, and when a spacing of the dots formed on said medium is D, said nozzle pitch is k·D, a number of said nozzles that are allowed to eject said liquid is N, and the carry amount is F,

N/M is an integer, N/M and k are coprime, and $F = (N/M) \cdot D$.

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13. A recording apparatus according to claim 12,

wherein the distance between said two nozzles is equal to a sum of an integral multiple of a value obtained by multiplying said carry amount by M and said predetermined nozzle pitch.

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14. A recording apparatus according to claim 12,

wherein the distance between said two nozzles is equal to a sum of an integral multiple of a value obtained by multiplying said carry amount by $k \times M$ and said predetermined nozzle pitch.

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15. A recording apparatus for forming dots on a medium, comprising:
 a head having a plurality of nozzle groups, each of said nozzle
groups having a plurality of nozzles that are arranged with a
predetermined nozzle pitch;

wherein said recording apparatus forms said dots on said medium by repeating alternately an ejection operation in which a liquid is ejected from said nozzles and a carry operation in which the medium is carried using a predetermined carry amount with respect to said head;

wherein a distance between two nozzles that eject the liquid adjacently and that belong to different ones of said nozzle groups is equal to a sum of an integral multiple of said carry amount and said predetermined nozzle pitch;

wherein there is a nozzle between said two nozzles that does not eject said liquid;

wherein a nozzle at one end of said plurality of nozzles that are arranged does not eject said liquid;

wherein said recording apparatus is capable of performing recording using different recording modes;

wherein the nozzles that eject the liquid differ for different ones of said recording modes;

wherein a spacing of said dots formed on said medium differs for different ones of said recording modes;

wherein a number of the nozzles that form a single raster line differs for different ones of said recording modes;

wherein the distance between said two nozzles is equal to a sum of an even multiple of said carry amount and said nozzle pitch;

wherein said head comprises three or more of said nozzle groups, and a number of the nozzles that eject said liquid is equal between at least two of said nozzle groups;

wherein said two nozzle groups are provided adjacent to each other in a direction in which said medium is carried;

wherein when a spacing of the dots formed on said medium is D, said nozzle pitch is $k \cdot D$, a number of said nozzles that are allowed to eject said liquid is N, and the carry amount is F,

N and k are coprime, and

 $F = N \cdot D;$

wherein when a single raster line is formed by M nozzles,

N/M is an integer,

N/M and k are coprime, and

 $F = (N/M) \cdot D$; and

wherein the distance between said two nozzles is equal to a sum of an integral multiple of a value obtained by multiplying said carry amount by $k \times M$ and said predetermined nozzle pitch.

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16. A recording method using a head having a plurality of nozzle groups, each of said nozzle groups having a plurality of nozzles that are arranged with a predetermined nozzle pitch, said method comprising:

forming dots on a medium by repeating alternately an ejection operation in which a liquid is ejected from said nozzles and a carry operation in which the medium is carried using a predetermined carry amount with respect to said head; and

performing said ejection operation such that a distance between two nozzles that eject the liquid adjacently and that belong to different ones of said nozzle groups is equal to a sum of an integral multiple of said carry amount and said predetermined nozzle pitch.

- 17. A storage medium for storing a program for controlling a recording apparatus, comprising:
- a storage medium for storing said program;

wherein said recording apparatus includes a head having a plurality of nozzle groups;

wherein each of said nozzle groups has a plurality of nozzles that are arranged with a predetermined nozzle pitch; and

wherein said program

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makes said recording apparatus form said dots on a medium by repeating alternately an ejection operation in which a liquid is ejected from said nozzles and a carry operation in which the medium is carried using a predetermined carry amount with respect to said head, and

makes said recording apparatus perform said ejection operation such that a distance between two nozzles that eject the liquid adjacently and that belong to different ones of said nozzle groups is equal to a sum of an integral multiple of said carry amount and said predetermined nozzle pitch.

18. A computer system comprising:

a main computer unit; and

a recording apparatus;

wherein said recording apparatus

includes a head having a plurality of nozzle groups, each of said nozzle groups having a plurality of nozzles that are arranged with a predetermined nozzle pitch, and

forms said dots on a medium by repeating alternately an ejection operation in which a liquid is ejected from said nozzles and a carry operation in which the medium is carried using a predetermined carry amount with respect to said head; and

wherein a distance between two nozzles that eject the liquid adjacently and that belong to different ones of said nozzle groups is equal to a sum of an integral multiple of said carry amount and said predetermined nozzle pitch.